

INDEX TO VOLUME 120

A

Acute Starvation Following Operation or Injury: with Special Reference to Caloric and Protein Needs, 350.

ADAMS, W. E., *et al.*: The Danger and Prevention of Citrate Intoxication in Massive Transfusions of Whole Blood, 656.

Address of the President, The State of the Association, 257.

Adhesion, Plasma-Thrombin, Skin Graft Fixation by, 450.

Advantages and Disadvantages of Closed Resection of the Colon, 572.

Air Force Combat Casualties, Treatment of, 1.

ALLEN, J. GARROTT, *et al.*: The Danger and Prevention of Citrate Intoxication of Massive Transfusions of Whole Blood, 656.

AMENDOLA, FREDERICK H., and WHITE, WILLIAM CRAWFORD: The Advantages and Disadvantages of Closed Resection of the Colon, 572.

Amino-acid and High Caloric Intake, Effect of High Intake on Convalescence, 99.

Anastomosis, Reconstruction of Esophageal Continuity by Primary; Congenital Atresia of the Esophagus with Tracheo-esophageal Fistula, 623.

ANDRUS, WILLIAM DEW, and DINGWALL, JAMES A., III: A Comparison of Various Types of Local Treatment in a Controlled Series of Experimental Burns in Human Volunteers, 377.

Anesthesia, Continuous Spinal, 129; Continuous Spinal, for Labor and Delivery, 143.

Aneurysm, Infected Dissecting, of the Iliac Artery Following Arteriovenous Fistula of the Femoral Vessels, 41; of the Heart, Operation for, 34.

Aorta, Ligation of the Abdominal, 49.

Application of Staging in the Removal of Difficult Wilms' Tumors, 901.

Artery, Iliac, Infected Dissecting Aneurysm of the, Following Arteriovenous Fistula of the Femoral Vessels, 41.

Association, State of the, Address of the President, 257.

ATHERTON, HERBERT, *et al.*: Effects of Bovine Anterior Hypophyseal Extract on Urinary Bladder Transplants in Young Dogs, Including some Observations on its Effects on Endochondral Ossification, 680.

Atresia, Congenital, of the Esophagus: with Tracheo-esophageal Fistula, 764; Congenital, of the Esophagus with Tracheo-esophageal Fistula: Reconstruction of Esophageal Continuity by Primary Anastomosis, 623; of Small Intestine, 66.

B

BARCHAM, I., *et al.*: The Construction and Use of a Bedside Ergograph, 123; Studies on Surgical Convalescence, 99.

BASOM, W. CONFÉRE: Lumbosacral Roentgenograms of 450 Consecutive Applicants for Heavy Work, 88.

Battle Casualties in a South Pacific Evacuation Hospital, 886.

BECK, CLAUDE S.: Operation for Aneurysm of the Heart, 34.

Bedside Ergograph, Construction and Use of a, 123.

BENDITT, EARL P., *et al.*: The Relationship of Protein Deficiency to Surgical Infection, 514.

Beneficial Effect of Intravenous Infusions in Acute Pericardial Tamponade, 822.

BENSON, RAYMOND E., and DIXON, CLAUDE F.: Closure of Colonic Stoma: Improved Results with Combined Succinylsulfathiazole and Sulfathiazole Therapy, 562.

BISGARD, J. DEWEY, and OVERMILLER, W.: Emergency Gastrectomy for Acute Perforation of Carcinoma of the Stomach, with Diffuse Soiling of the Free Peritoneal Cavity, 526.

BLALOCK, ALFRED: Discussion on treatment of burns, 399.

Book Review: Intracranial Arterial Aneurysms, reviewed by Ira Cohen, 944.

Books Received: 943.

BRECK, LOUIS W.: Lumbosacral Roentgenograms of 450 Consecutive Applicants for Heavy Work, 88.

BROWN, JAMES BARRETT, and CANNON, BRADFORD: The Repair of Surface Defects of the Foot, 417.

BRUNSWIG, ALEXANDER: The Surgical Treatment of Carcinoma of the Body of the Pancreas, 406.

BRUNEAU, JACQUES, and HEINBECKER, PETER: Effects of Cooling on Experimentally Infected Tissues, 716.

BRUSH, BROCK E., and MCCLURE, ROY D.: Hyperinsulinism Treated by Subtotal Pancreatectomy, 750.

BURCH, JOHN C., and QUILL LAURENCE M.: Surgical Manifestations of Coccidioidomycosis, 670.

Burns, Deep Thermal, the Healing of, 362; Experimental Study of the Histopathology of: with Particular Reference to Sites of Fluid Loss in Burns of Different Depths, 680; in Human Volunteers, Experimental, a Comparison of Various Types of Local Treatment in a Controlled Series of, 377; Superficial; the Healing of Surface Cutaneous Wounds, and its Analogy with the Healing of, 873; Tannic Acid and the Treatment of: an Obsequy, 387.

C

CANNON, BRADFORD, and BROWN, JAMES BARRETT: The Repair of Surface Defects of the Foot, 417.

CANNON, PAUL R., *et al.*: The Relationship of Protein Deficiency to Surgical Infection, 514; discussion on acute starvation, 361.

CARABBA, V., *et al.*: Studies on Surgical Convalescence, 99.

Carcinoma of the Body of the Pancreas, the Surgical Treatment of the, 406; of the Stomach, Emergency Gastrectomy for Acute Perforation of, with Diffuse Soiling of the Free Peritoneal Cavity, 526.

CARROLL, WALTER, *et al.*: Effect of Sulfonamides upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494.

INDEX TO VOLUME 120

Annals of Surgery
December, 1944

Casualties, The Treatment of Air Force Combat, 1. Cauda Equina Compression Syndrome with Herniated Nucleus Pulsus, 73.

CHAMBERS, ROBERT, *et al.*: Omental Circulation in Morphinized Dogs Subjected to Graded Hemorrhage, 232; The Peripheral Circulation during the Tourniquet Shock Syndrome in the Rat, 791.

Chronic Constrictive Pericarditis; Partial Pericardectomy and Epicardiolysis in Twenty-four Cases, 468.

CHURCHILL, EDWARD D.: The Surgical Management of the Wounded in the Mediterranean Theater at the Time of the Fall of Rome, 268.

Circulation, Omental, in Morphinized Dogs Subjected to Graded Hemorrhage, 232.

Citrate Intoxication, Danger and Prevention, in Massive Transfusions of Whole Blood, 656.

CLARKE, HANS T., *et al.*: Memostasis with Absorbable Gauze, 181.

CLAY, RICHARD C.: Dupuytren's Contracture; Fibroma of the Palmar Fascia, 224.

Clinical Surgery, Refrigeration in, 707.

Closure of Defects of Lips with Composite Vermilion Border-lined Flaps, 214.

CLUTE, HOWARD M., and WILLIAMS, ROBERT H.: Thiouracil in the Preparation of Thyrotoxic Patients for Surgery, 504.

Coccidioidomycosis, Surgical Manifestations of, 670.

COHEN, IRA: Review of Intracranial Arterial Aneurysms, 944.

COLLER, FREDERICK A.: Address of the President, The State of the Association, 257.

COLLER, F. A., *et al.*: A Study of the Interrelationship of Salt Solutions, Serum and Defibrinated Blood in the Treatment of Severely Scalded, Anesthetized Dogs, 367; discussion on, 404.

Colon, Resection of the, the Advantages and Disadvantages of Closed, 572.

Colonic Stoma, Closure of: Improved Results with Combined Succinylsulfathiazole and Sulfathiazole Therapy, 562.

Combat Casualties, Treatment of Air Force, 1. Comparative Values of Various Methods of Resuscitation, 94.

Complications and Mortality in Subtotal Gastrectomy for Duodenal Ulcer; Report on a Two-stage Procedure, 531.

Compression Syndrome, Cauda Equina, with Herniated Nucleus Pulsus, 73.

Condylomata Acuminata, 251.

Congenital Atresia of the Esophagus: with Tracheo-esophageal Fistula, 764; Reconstruction of Esophageal Continuity by Primary Anastomosis, 623.

CONNOR, GERVASE J., and HARVEY, SAMUEL C.: The Healing of Deep Thermal Burns, 362; discussion on, 404.

Construction and Use of a Bedside Ergograph, 123.

Continuous Spinal Anesthesia, 129; for Labor and Delivery, 143.

CONVERSE, JOHN MARQUIS, and ROBB-SMITH, A. H. T.: The Healing of Surface Cutaneous Wounds: its Analogy with the Healing of Superficial Burns, 873.

COOPER, FRED W. JR., *et al.*: The Beneficial Effect of Intravenous Infusions in Acute Pericardial Tamponade, 822.

COLP, RALPH, *et al.*: Subtotal Gastrectomy for Duodenal Ulcer, 170.

COPE, OLIVER, *et al.*: The Use of Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.

COPHER, GLOVER H., *et al.*: Effects of Bovine Anterior Hypophyseal Extract on Urinary Bladder Transplants in Young Dogs, Including some Observations on its Effects on Endochondral Ossification, 680.

CO TUI, *et al.*: The Construction and Use of a Bedside Ergograph, 123; Studies on Surgical Convalescence, 99.

CULP, O. S.: Condylomata Acuminata, 251. Cutaneous Wounds, Surface, the Healing of: its Analogy with the Healing of Superficial Burns, 873.

D

Danger and Prevention of Citrate Intoxication in Massive Transfusions of Whole Blood, 656.

DANIEL, ROLLIN A., JR., Congenital Atresia of the Esophagus: with Tracheo-esophageal Fistula, 764.

DAVIS, LOYAL, *et al.*: Effect of Sulfonamides upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494.

Deficiency, Protein, Relationship of, to Surgical Infection, 514.

Degeneration, Nerve, Following Prolonged Cooling of an Extremity, 742.

Delivery and Labor, Continuous Spinal Anesthesia for, 143.

DINGWALL, JAMES A., III, and ANDRUS, WILLIAM DEW.: A Comparison of Various Types of Local Treatment in a Controlled Series of Experimental Burns in Human Volunteers, 377.

DIXON, CLAUDE F., and BENSON, RAYMOND E.: Closure of Colonic Stoma: Improved Results with Combined Succinylsulfathiazole and Sulfathiazole Therapy, 562.

Dogs, Morphinized, Omental Circulation in, Subjected to Graded Hemorrhage, 232.

DRUCKERMAN, LEONARD J., *et al.*: Subtotal Gastrectomy for Duodenal Ulcer, 170.

DUNCAN, GEORGE W.: Studies on the Effects of Posture in Shock and Injury, 24.

Duodenal Ulcer, Complications and Mortality in Subtotal Gastrectomy for: Report on a Two-stage Procedure, 531.

Dupuytren's Contracture: Fibroma of the Palmar Fascia, 224.

E

Effect of Cooling on Wound Healing, 727; of Sulfonamides upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494.

Effects of Bovine Anterior Hypophyseal Extract on Urinary Bladder Transplants in Young Dogs, Including some Observations on its Effects on Endochondral Ossification, 680; of Cooling on Experimentally Infected Tissues, 716.

ELKIN, DANIEL C.: Vascular Injuries of Warfare, 284; discussion on, 310; Wounds of the Heart, 817.

INDEX TO VOLUME 120

ELMAN, ROBERT: Acute Starvation Following Operation or Injury: with Special Reference to Caloric or Protein Needs, 350; The Influence of Ether, Morphine and Nembutal on Mortality in Experimental Burns, 211.
Embolism of the Pulmonary Artery, The Problem of: Report of a Transcardiac Operation, 488.
Emergency Gastrectomy for Acute Perforation of Carcinoma of the Stomach, with Diffuse Soiling of the Free Peritoneal Cavity, 526.
Endometriosis, Pelvic, Urinary Complications of, 891.
Epicardiolysis and Partial Pericardectomy in Twenty-four Cases: Chronic Constrictive Pericarditis, 468.
ERB, WILLIAM H.: Atresia of Small Intestine, 66.
Ergograph, The Construction and Use of a Bed-side, 123.
Esophagus, Congenital Atresia of the: with Tracheo-esophageal Fistula, 764; Reconstruction of Esophageal Continuity by Primary Anastomosis, 623.
Estrogen, Influence of, on the Peripheral Vascular Mechanism, 607.
Evacuation Hospital, Battle Casualties in a South Pacific, 886.
EVANS, EVERETT: Discussion on treatment of burns, 399.
Experimental Study of the Histopathology of Burns: with Particular Reference to Sites of Fluid Loss in Burns of Different Depths, 689; of the Tannic Acid Treatment of Burns: with Particular Reference to its Effect on Local Fluid Loss and Healing, 698.
External Pin Transfixion of Fractures: an Analysis of 80 Cases, 911.
Extremity, Whole Upper, Transplant for Human Beings, 12.

F

Fascia, Fibroma of the; Dupuytren's Contracture, 224.
Femoral Vessels, Infected Dissecting Aneurysm of the Iliac Artery Following Arteriovenous Fistula of the, 41.
Fibroma of the Palmar Fascia; Dupuytren's Contracture, 224.
Fistula of the Femoral Vessels, Infected Dissecting Aneurysm of the Iliac Artery Following Arteriovenous, 41; Pancreatic, Physiologic Observations on Patients with, 852; Surgical Aspects of Pancreatic, 52; Tracheo-esophageal, with: Congenital Atresia of the Esophagus, 764; Tracheo-esophageal, Congenital Atresia of the Esophagus with: Reconstruction of Esophageal Continuity by Primary Anastomosis, 623.
Flaps, Closure of Defects of Lips with Composite Vermilion Border-lined, 214.
Foot, Repair of Surface Defects of, 417.
Fractures, External Pin Transfixion of: an Analysis of 80 Cases, 911.
FRANTZ, VIRGINIA KNEELAND, *et al.*: Hemostasis with Absorbable Gauze, 181.
FRENCH, DOUGLAS J.: Cauda Equina Compression Syndrome with Herniated Nucleus Prolapsed, 73.

G

Ganglion, Stellate, Block: a New Anterior Approach, 759.
Gastrectomy, Emergency, for Acute Perforation of Carcinoma of the Stomach, with Diffuse Soiling of the Free Peritoneal Cavity, 526; Stoma, Retrograde Jejunogastric Intussusception through a Subtotal, 207; Subtotal, for Duodenal Ulcer, 170; Subtotal, for Duodenal Ulcer, Complications and Mortality in; Report on a Two-stage Procedure, 531.
Gastroduodenal Ulcers, Perforated, Primary Resection for, 60.
GONZALEZ, D. E., *et al.*: The Danger and Prevention of Citrate Intoxication in Massive Transfusions of Whole Blood, 656.
GOODALL, J. R.: Urinary Complications of Pelvic Endometriosis, 891.
Graft, Skin, Fixation by Plasma-Thrombin Adhesion, 450.
Grafts, Skin, Refrigerated, 431.
GRAHAM, EVARTS A.: Discussion on Acute Starvation, 360.

H

HAAGENSEN, CUSHMAN D., and STOUT, ARTHUR: PURDY: Synovial Sarcoma, 826.
HAGER, HENRY G.: Continuous Spinal Anesthesia, 129.
HAIGHT, CAMERON: Congenital Atresia of the Esophagus with Tracheo-esophageal Fistula: Reconstruction of Esophageal Continuity by Primary Anastomosis, 623.
HANLON, C. ROLLINS, and WOODS, FRANCIS M.: Inflammatory Stricture of the Rectum: An Analysis of 192 Cases, Including 35 Treated by Rectosigmoid Resection, 598.
HANNO, HAROLD A.: Leiomyoma of the Jejunum, 199.
HALL, RICHARD H.: Whole Upper Extremity Transplant for Human Beings: General Plans of Procedure and Operative Technic, 12.
HAM, ARTHUR W.: Experimental Study of the Histopathology of Burns: with Particular Reference to Sites of Fluid Loss in Burns of Different Depths, 689; Experimental Study of the Tannic Acid Treatment of Burns: with Particular Reference to its Effect on Local Fluid Loss and Healing, 698.
HARKINS, HENRY N.: Ligation of the Abdominal Aorta, 49.
HARRINGTON, STUART W.: Chronic Constrictive Pericarditis: Partial Pericardectomy and Epicardiolysis in Twenty-four Cases, 468.
HARVEY, SAMUEL C., and CONNOR, GERVASE J.: The Healing of Deep Thermal Burns, 362; discussion on, 404.
Healing of Deep Thermal Burns, 362; of Surface Cutaneous Wounds: its Analogy with the Healing of Superficial Burns, 873; Wound, The Effect of Cooling on, 727.
Heart, Operation for Aneurysm of the, 34; Wounds of the, 817.
HEINBECKER, PETER, and BRUNEAU, JACQUES: Effects of Cooling on Experimentally Infected Tissues, 716.

INDEX TO VOLUME 120

Annals of Surgery
December, 1944

H
HEINBECKER, PETER, and LARGE, ALFRED: Nerve Degeneration Following Prolonged Cooling of an Extremity, 742; Refrigeration in Clinical Surgery, 707; The Effect of Cooling on Wound Healing, 727.
Hemorrhage, Graded, Omental Circulation in Morphinized Dogs Subjected to, 232.
Hemostasis with Absorbable Gauze, 181.
HERMANN, LOUIS G., and MCGRATH, EDWARD J.: Influence of Estrogens on the Peripheral Vascular Mechanism, 607.
Herniated Nucleus Pulpitus, Compression Syndrome Cauda Equina, with, 73.
HILLER, FREDERICK, et al.: Effect of Sulfonamides upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494.
HILLMAN, J. WINSTON: Lumbosacral Roentgenograms of 450 Consecutive Applicants for Heavy Work, 88.
HINEBAUGH, MAHLON C.: Continuous Spinal Anesthesia for Labor and Delivery, 143.
HYMAN, CHESTER, et al.: Omental Circulation in Morphinized Dogs Subjected to Graded Hemorrhage, 232.
Hyperinsulinism Treated by Subtotal Pancreatectomy, 750.
Hyperthyroidism, Use of Thiouracil in the Preparation of Patients for Thyroidectomy, 152.

I

Iliac Artery, Infected Dissecting Aneurysm of the, Following Arteriovenous Fistula of the Femoral Vessels, 41.
Improved Method for Collecting, Centrifuging and Pooling Blood Plasma, 285.
Infected Dissecting Aneurysm of the Iliac Artery Following Arteriovenous Fistula of the Femoral Vessels, 41.
Infection, Surgical, Relationship of Protein Deficiency to, 514.
Infections, the Use of Penicillin in, 311.
Inflammatory Stricture of the Rectum: an Analysis of 192 Cases, Including 35 Treated by Rectosigmoid Resection, 598.
Influence of Estrogens on the Peripheral Vascular Mechanism, 607; of Ether, Morphine and Nembutal on Mortality in Experimental Burns, 211; of Sulfonamides on Postoperative Complications, 463.
Infusions, Intravenous, in Acute Pericardial Tamponade, the Beneficial Effect of, 822.
Injuries of Warfare, Vascular, 284.
Injury, Studies on the Effects of Posture in Shock and, 24.
Intestine, Small, Atresia of, 66.
Intoxication, Citrate, the Danger and Prevention of, in Massive Transfusions of Whole Blood, 656.
Intravenous Infusions in Acute Pericardial Tamponade, the Beneficial Effect of, 822.
Intussusception, Retrograde Jejunogastric, Through a Subtotal Gastrectomy Stoma, 207.
IOB, VIVIAN, et al.: A Study of the Interrelationship of Salt Solutions, Serum and Defibrinated Blood in the Treatment of Severely Scalded, Anesthetized Dogs, 367.

J
Jejunogastric Intussusception through a Subtotal Gastrectomy Stoma, Retrograde, 207.
Jejunum, Leiomyoma of the, 199.

K

KAPLAN, I. W.: Condylomata Acuminata, 251.
KEITH, ROCKWOOD: Proposed Alteration in the Knee-joint of Prostheses for Below-knee Amputation, 803.
King Operation, Modification of the, for Bilateral Vocal Cord Paralysis, 617.
KLINGENSTEIN, PERCY, et al.: Subtotal Gastrectomy for Duodenal Ulcer, 170.
Knee-joint of Prostheses for Below-knee Amputation, Proposed Alteration in the, 803.
KUTISKER, MEYER J., et al.: The Construction and Use of a Bedside Ergograph, 123.

L

Labor and Delivery, Continuous Spinal Anesthesia for, 143.
LAM, CONRAD R., et al.: Tannic Acid and the Treatment of Burns: an Obsequy, 387.
LANG, WARREN R.: Continuous Spinal Anesthesia for Labor and Delivery, 143.
LARGE, ALFRED, and HEINBECKER, PETER: The Effect of Cooling on Wound Healing, 727; Nerve Degeneration Following Prolonged Cooling of an Extremity, 742; Refrigeration in Clinical Surgery, 707.
Large Melena of Obscure Origin, 582.
LATTES, RAFFAELE, et al.: Hemostasis with Absorbable Gauze, 181.
LEE, R. E., et al.: Omental Circulation in Morphinized Dogs Subjected to Graded Hemorrhage, 232.
Leiomyoma of the Jejunum, 199.
LEMMON, WILLIAM T.: Continuous Spinal Anesthesia, 129.
Ligation of the Abdominal Aorta, 49.
LINDSKOG, GUSTAF E.: An Unusual Case of Penetrating Foreign Body in the Mediastinum, 813.
Lips with Composite Vermilion Border-Lined Flaps, Closure of Defects of, 214.
LOCKWOOD, JOHN S., et al.: The Use of Penicillin in Surgical Infections, 311.
LOWENSTEIN, B. E., et al.: The Peripheral Circulation during the Tourniquet Shock Syndrome in the Rat, 791.
Lumbosacral Roentgenograms of 450 Consecutive Applicants for Heavy Work, 88.
LUND, CHARLES C.: Discussion on Acute Starvation, 360; on Treatment of Burns, 399.

M

MACFEE, WILLIAM F.: The Treatment of Air Force Combat Casualties, 1.
MAGE, SIGMUND, et al.: Subtotal Gastrectomy for Duodenal Ulcer, 170.
MARTY, DORIS, et al.: A Study of the Interrelationship of Salt Solutions, Serum and Defibrinated Blood in the Treatment of Severely Scalded Anesthetized Dogs, 367.

MAY, HANS: Closure of Defects of Lips with Composite Vermilion Border-lined Flaps, 214.

McCLURE, ROY D., and BRUSH, BROCK E.: Hyperinsulinism Treated by Subtotal Pancreatectomy, 750.

McCLURE, ROY D., *et al.*: Tannic Acid and the Treatment of Burns: an obsequy, 387; discussion on, 402; discussion on Carcinoma of the Pancreas, 416.

MCGRATH, EDWARD J., and HERMANN, LOUIS G.: Influence of Estrogens on the Peripheral Vaso-motor Mechanism, 607.

MCKITTRICK, LELAND S., *et al.*: Complications and Mortality in Subtotal Gastrectomy for Duodenal Ulcer; Report on a Two-stage Procedure, 531.

MCNAMARA, W. L.: Retrograde Jejunogastric Intussusception through a Subtotal Gastrectomy Stoma, 207.

MEANS, JAMES H., *et al.*: The Use of Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.

Mediastinum, an Unusual Case of Penetrating Foreign Body in the, 813.

Melena, Large, of Obscure Origin, 582.

MELENEY, FRANK L.: Discussion on Penicillin, 344.

MENSH, MAURICE: Leiomyoma of the Jejunum, 199.

MILLER, JOSEPH M.: Surgical Aspects of Pancreatic Fistula, 52.

MILLER, JOSEPH M., and WIPER, THOMAS B.: Physiologic Observations on Patients with External Pancreatic Fistula, 852.

Modification of the King Operation for Bilateral Vocal Cord Paralysis, 617.

MOORE, FRANCIS D., *et al.*: Complications and Mortality in Subtotal Gastrectomy for Duodenal Ulcer: Report on a Two-stage Procedure, 531; The Use of Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.

Morphine, Ether, and Nembutal, the Influence of, on Mortality in Experimental Burns, 211.

MOYER, CARL A., *et al.*: A Study of the Interrelationship of Salt Solutions, Serum and Defibrinated Blood in the Treatment of Severely Scalded, Anesthetized Dogs, 367; discussion on, 403.

MULHOLLAND, J. H., *et al.*: The Construction and Use of a Bedside Ergograph, 123; Studies on Surgical Convalescence, 99.

MURPHEY, DAVID R., Jr.: Stellate Ganglion Block: a new Anterior Approach, 759.

MURPHY, FRANKLIN D., *et al.*: The Use of Penicillin in Surgical Infections, 311.

MURRAY, M. R., *et al.*: Synovial Sarcoma and Normal Synovial Tissue Cultivated *in Vitro*, 843.

N

Nembutal, Ether, and Morphine, the Influence of, on Mortality in Experimental Burns, 211.

Nerve Degeneration Following Prolonged Cooling of an Extremity, 742.

Nerves, Peripheral, Effect of Sulfonamides upon Experimental Gunshot Wounds Involving, 494.

NEUHOF, HAROLD: Infected Dissecting Aneurysm of the Iliac Artery Following Arteriovenous Fistula of the Femoral Vessels, 41; The Problem of Embolism of the Pulmonary Artery: Report of a Transcardiac Operation, 468.

Nucleus Pulpitis, Herniated, Cauda Equina Compression Syndrome, with, 73.

O

Omental Circulation in Morphinized Dogs Subjected to Graded Hemorrhage, 232.

Operation for Aneurysm of the Heart, 34.

ORMOND, JOHN K.: Ligation of the Abdominal Aorta, 49.

OVERMILLER, W., and BISGARD, J. DEWEY: Emergency Gastrectomy for Acute Perforation of Carcinoma of the Stomach, with Diffuse Soiling of the Free Peritoneal Cavity, 526.

P

Palmar Fascia, Fibroma of the; Dupuytren's Contracture, 224.

Pancreas, the Surgical Treatment of Carcinoma of the Body of the, 406.

Pancreatectomy, Subtotal, Hyperinsulinism Treated by, 750.

Pancreatic Fistula, Physiologic Observations on Patients with, 852.

PAYNE, J. T.: Cauda Equina Compression Syndrome with Herniated Nucleus Pulsus, 73.

Pelvic Endometriosis, Urinary Complications of, 891.

Penicillin in Surgical Infections, 311.

Perforated Gastroduodenal Ulcers, Primary Resection for, 60.

Perforation, Acute, of Carcinoma of the Stomach, Emergency Gastrectomy for; with Diffuse Soiling of the Free Peritoneal Cavity, 526.

Pericardial Tamponade, Acute, the Beneficial Effect of Intravenous Infusions in, 822.

Pericardiectomy, Partial, and Epicardiolysis in Twenty-four Cases: Chronic Constrictive Pericarditis, 468.

Pericarditis, Chronic Constrictive: Partial Pericardiectomy and Epicardiolysis in Twenty-four Cases, 468.

Peripheral Circulation during the Tourniquet Shock Syndrome in the Rat, 791; Nerves, Effect of Sulfonamides upon Experimental Gunshot Wounds Involving, 494; Vasomotor Mechanism, Influence of Estrogens on the, 607.

Peritoneal Cavity, Free, Emergency Gastrectomy for Acute Perforation of Carcinoma of the Stomach, with Diffuse Soiling of the, 526.

PERRET, GEORGE, *et al.*: Effects of Sulfonamides upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494.

Physiologic Observations on Patients with External Pancreatic Fistula, 852.

Plasma, Blood, An Improved Method for Collecting, Centrifuging and Pooling, 785.

Plasma-Thrombin Adhesion, Skin Graft Fixation by, 450.

POGOEFF, I. A., *et al.*: Synovial Sarcoma and Normal Synovial Tissue Cultivated *in Vitro*, 843.

Postoperative Complications, The Influence of Sulfonamides on, 463.

INDEX TO VOLUME 120

Annals of Surgery
December, 1944

- Posture in Shock and Injury, Studies on the Effects of, 24.
- POTTS, WILLIS J.: Battle Casualties in a South Pacific Evacuation Hospital, 886.
- President; Address of the, 257.
- Primary Resection for Perforated Gastroduodenal Ulcers, 60.
- Problem of Embolism of the Pulmonary Artery: Report of a Transcardiac Operation, 488.
- Proposed Alteration in the Knee-joint of Prosthesis for Below-knee Amputation, 803.
- Prosthesis for Below-knee Amputation, Proposed Alteration in the Knee-joint for, 803.
- Protein Deficiency, Relationship of, to Surgical Infection, 514.
- Pulmonary Artery, the Problem of Embolism of the: Report of a Transcardiac Operation, 488.

Q

- QUILL, LAURENCE M. and BURCH, JOHN C.: Surgical Manifestations of Coccidioidomycosis, 670.

R

- RANKIN, FRED W.: Foreword on article by Edward D. Churchill, 268.
- RAVDIN, I. S., and RHOADS, JONATHAN E.: The Influence of Sulfonamides on Postoperative Complications, 463.
- RAWSON, RULON W., et al.: The Use of Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.
- Rectosigmoid Resection, an Analysis of 192 Cases, Including 35 Treated by,—Inflammatory Stricture of the Rectum, 598.
- Rectum, Inflammatory Stricture of the: an Analysis of 192 Cases, Including 35 Treated by Rectosigmoid Resection, 598.
- Refrigerated Skin Grafts, 431.
- Refrigeration in Clinical Surgery, 707.
- Relationship of Protein Deficiency to Surgical Infection, 514.
- Repair of Surface Defects of the Foot, 417.
- Resection of the Colon, the Advantages and Disadvantages of Closed, 572; Resection for Perforated Gastroduodenal Ulcers, Primary, 60; Rectosigmoid, an Analysis of 192 Cases, Including 35 Treated by,—Inflammatory Stricture of the Rectum, 598.
- Resuscitation, Comparative Values of Various Methods of, 94.
- Retrograde Jejunogastric Intussusception through a Subtotal Gastrectomy Stoma, 207.
- RHOADS, JONATHAN E.: Discussion on Tannic Acid Treatment of Burns, 398.
- RHOADS, JONATHAN E., and RAVDIN, I. S.: The Influence of Sulfonamides on Postoperative Complications, 463.
- RHODE, C. MARTIN: Studies on the Effects of Posture in Shock and Injury, 24.
- ROBB-SMITH, A. H. T., and CONVERSE, JOHN MARQUIS: The Healing of Surface Cutaneous Wounds: its Analogy with the Healing of Superficial Burns, 873.
- Roentgenograms, Lumbosacral, of 450 Consecutive Applicants for Heavy Work, 88.

- ROMENCE, HARVARD, et al.: Tannic Acid and the Treatment of Burns: an Obsequy, 387.

S

- Salt Solutions, Serum and Defibrinated Blood, Study of the Interrelationship of, in the Treatment of Severely Scalded, Anesthetized Dogs, 367.
- Sarcoma, Synovial, 826; and Normal Synovial Tissue Cultivated *in Vitro*, 843.
- SARNOFF, STANLEY J.: Studies on the Effects of Posture in Shock and Injury, 24.
- SHERMAN, R. STANTON: Varicose Veins, Anatomic Findings and an Operative Procedure Based upon them, 772.
- SHREE, JOHN WESLEY: Modification of the King Operation for Bilateral Vocal Cord Paralysis, 617.
- Shock and Injury, Studies on the Effects of Posture in, 24.
- SILBERBERG, MARTIN, et al.: Effects of Bovine Anterior Hypophyseal Extract on Urinary Bladder Transplants in Young Dogs, Including some Observations on its Effects on Endochondral Ossification, 680.
- SIRIS, IRWIN E.: External Pin Transfixion of Fractures: an Analysis of 80 Cases, 911.
- Skin Graft Fixation by Plasma Thrombin Adhesion, 450.
- Skin grafts, refrigerated, 431.
- Small Intestine, Atresia of, 66.
- SMITH, DELBERT C.: Atresia of Small Intestine, 66.
- SMITH, F. JANNEY: Ligation of the Abdominal Aorta, 49.
- Spinal Anesthesia, Continuous, 129; for Labor and Delivery, 143.
- Staging, Application of, in the Removal of Difficult Wilms' Tumors, 901.
- Starvation, Acute, Following Operation or Injury: with Special Reference to Caloric and Protein Needs, 350.
- STEAD, EUGENE A., Jr., et al.: The Beneficial Effect of Intravenous Infusions in Acute Pericardial Tamponade, 822.
- Stellate Ganglion Block: a New Anterior Approach, 759.
- Stoma, Colonic, Closure of: Improved Results with Combined Succinylsulfathiazole and Sulfathiazole Therapy, 562.
- Stomach, Emergency Gastrectomy for Acute Perforation of Carcinoma of the, with Diffuse Soiling of the Free Peritoneal Cavity, 526.
- Stoma, Gastrectomy, Retrograde Jejunogastric Intussusception through a Subtotal, 207.
- STONE, HARVEY B.: Large Melena of Obscure Origin, 582.
- STOUT, ARTHUR PURDY and HAAGENSEN, CUSHMAN D.: Synovial Sarcoma, 826.
- STOUT, ARTHUR PURDY, et al.: Synovial Sarcoma and Normal Synovial Tissue Cultivated *in Vitro*, 843.
- STRAUSS, ABRAHAM: Primary Resection for Perforated Gastroduodenal Ulcers, 60.
- Stricture, Inflammatory, of the Rectum: an Analysis of 192 Cases, Including 35 Treated by Rectosigmoid Resection, 598.

INDEX TO VOLUME 120

Studies on the Effects of Posture in Shock and Injury, 24; on Surgical Convalescence, Effect of High Amino-acid and High Caloric Intake on Convalescence, 99.

Subtotal Gastrectomy for Duodenal Ulcer, 170.

Succinylsulfathiazole and Sulfathiazole Therapy Combined, Improved Results with: Closure of Colonic Stoma, 562.

SUGARBAKER, EVERETT D.: An Application of Staging in the Removal of Difficult Wilms' Tumors, 901.

Sulfathiazole Therapy and Succinylsulfathiazole Combined, Improved Results with: Closure of Colonic Stoma, 562.

Sulfonamides, Effect of, upon Experimental Gunshot Wounds Involving Peripheral Nerves, 494; the Influence of, on Postoperative Complications, 463.

Surgical Aspects of Pancreatic Fistula, 52; Management of the Wounded in the Mediterranean Theater at the Time of the Fall of Rome, 268; Manifestations of Coccidiomycosis, 670; Treatment of Carcinoma of the Body of the Pancreas, 406.

SWEENEY, DONALD N., Jr., *et al.*: The Use of Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.

SYMPOSIUM ON BURNS, 362.

Syndrome, Cauda Equina Compression, with Herniated Nucleus Pulsus, 73; Tourniquet Shock, in the Rat, The Peripheral Circulation during the, 791.

Synovial Sarcoma, 826; and Normal Synovial Tissue Cultivated in *Vitro*, 843.

T

Tamponade, Acute Pericardial, the Beneficial Effect of Intravenous Infusions in, 822.

Tannic Acid and the Treatment of Burns; an Obsequy, 387; Treatment of Burns, Experimental Study of the, with Particular Reference to its Effect on Local Fluid Loss and Healing, 698.

Thermal Burns, Deep, the Healing of, 362.

Thiouracil in the Preparation of Thyrotoxic Patients for Surgery, 504; in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, The Use of, 152.

THOMPSON, SAMUEL A.: Comparative Values of Various Methods of Resuscitation, 94.

THORNTON, T. F., *et al.*: The Danger and Prevention of Citrate Intoxication in Massive Transfusions of Whole Blood, 656.

Thyroidectomy, Use of Thiouracil in Preparation of Patients with Hyperthyroidism, 152.

Thyrotoxic Patients, Thiouracil in the Preparation of, for Surgery, 504.

Tissue, Normal Synovial, and Synovial Sarcoma Cultivated in *Vitro*, 843.

Tissues, Experimentally Infected, Effects of Cooling on, 716.

Tourniquet Shock Syndrome in the Rat, the Peripheral Circulation during the, 791.

Tracheo-esophageal Fistula, with: Congenital Atresia of the Esophagus, 764; Congenital Atresia of the Esophagus with: Reconstruction of Esophageal Continuity by Primary Anastomosis, 623.

Transcardiac Operation, Report of a: The Problem of Embolism of the Pulmonary Artery, 488.

Transfusions of Whole Blood, Massive, the Danger and Prevention of Citrate Intoxication in, 656.

Transplant for Human Beings, Whole Upper Extremity, 12.

Treatment of Air Force Combat Casualties, 1.

Tumors, Wilms', Difficult, an Application of Staging in the Removal of, 901.

U

Ulcer, Duodenal, Complications and Mortality in Subtotal Gastrectomy for: Report on a Two-stage Procedure, 531; Subtotal Gastrectomy for Duodenal, 170.

Ulcers, Primary Resection for Perforated Gastro-duodenal, 60.

Unusual Case of Penetrating Foreign Body in the Mediastinum, 813.

Urinary Complications of Pelvic Endometriosis, 891.

Use of Penicillin in Surgical Infections, 311; Thiouracil in the Preparation of Patients with Hyperthyroidism for Thyroidectomy, 152.

V

Varicose Veins, Anatomic Findings and an Operative Procedure Based upon them, 772.

Vascular Injuries of Warfare, 284.

Vasomotor, Peripheral, Mechanism, Influence of Estrogens on the, 607.

VAUGHAN, HERBERT H., *et al.*: A Study of the Interrelationship of Salt Solutions, Serum and Defibrinated Blood in the Treatment of Severely Scalded Anesthetized Dogs, 367.

VAUGHAN, J. WALTER: Discussion on Treatment of Burns, 403.

Veins, Varicose, Anatomic Findings and an Operative Procedure Based upon them, 772.

Vessels, Infected Dissecting Aneurysm of the Iliac Artery Following Arteriovenous Fistula of the Femoral, 41.

VINCI, V. J., *et al.*: Studies on Surgical Convalescence, 99.

Vocal Cord Paralysis, Bilateral, Modification of the King Operation for, 617.

W

WALDER, HAROLD J., and GRADIS, HOWARD E.: An Improved Method for Collecting, Centrifuging and Pooling Blood Plasma, 785.

Warfare, Vascular Injuries of, 284.

WARREN, JAMES V., *et al.*: The Beneficial Effect of Intravenous Infusions in Acute Pericardial Tamponade, 822.

WARREN, RICHARD, *et al.*: Complications and Mortality in Subtotal Gastrectomy for Duodenal Ulcer: Report on a Two-stage Procedure, 531.

WEBSTER, JEROME P.: Refrigerated Skin Grafts, 431.

WHIPPLE, ALLEN O.: Discussion on Treatment of Burns, 399.

WHITE, WILLIAM CRAWFORD and AMENDOLA, FREDERICK H.: The Advantages and Disadvantages of Closed Resection of the Colon, 572.

INDEX TO VOLUME 120

Annals of Surgery
December, 1944

WHITE, WILLIAM L., *et al.*: The Use of Penicillin in Surgical Infections, 311.

Whole Upper Extremity Transplant for Human Beings: General Plans of Procedure and Operative Technic, 12.

WILLIAMS, ROBERT H., and CLUTE, HOWARD M.: Thiorouacil in the Preparation of Thyrotoxic Patients for Surgery, 504.

Wilms' Tumors, Difficult, an Application of Staging in the Removal of, 901.

WIPER, THOMAS B.: Surgical Aspects of Pancreatic Fistula, 52.

WIPER, THOMAS B., and MILLER, JOSEPH M.: Physiologic Observations on Patients with External Pancreatic Fistula, 852.

WISSSLER, ROBERT W., *et al.*: The Relationship of Protein Deficiency to Surgical Infection, 514.

WOODS, FRANCIS M., and HANLON, C. ROLLINS: Inflammatory Stricture of the Rectum: An Analysis of 192 Cases, Including 35 Treated by Rectosigmoid Resection, 598.

WOOLRIDGE, ROBERT L., *et al.*: The Relationship of Protein Deficiency to Surgical Infection, 514.

Wounded in the Mediterranean Theater at the Time of the Fall of Rome, Surgical Management of the, 268.

Wound Healing, The Effect of Cooling on, 727.

Wounds, Experimental Gunshot, Involving Peripheral Nerves, Effect of Sulfonamides upon, 494; of the Heart, 817; Surface Cutaneous, Healing of: its Analogy with the Healing of Superficial Burns, 873.

WRIGHT, ARTHUR MULLIN, *et al.*: Studies on Surgical Convalescence, 99; The Construction and Use of a Bedside Ergograph, 123.

Y

YOUNG, FORREST: Skin Graft Fixation by Plasma-Thrombin Adhesion, 450.

Z

ZWEIFACH, B. W., *et al.*: Omental Circulation in Morphinized Dogs Subjected to Graded Hemorrhage, 232; The Peripheral Circulation during the Tourniquet Shock Syndrome in the Rat, 791.

